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**Bibliometrics:** Downloads (6 Weeks): 42, Downloads (12 Months): 630, Citations

Real-time procedural shading was once seen as a distant dream. When offered four years ago, real-time shading was possible, but only with on combining the effects of tens to hundreds of rendering ...

**5 Experiences with open overlays: a middleware approach to network**

Paul Grace, Danny Hughes, Barry Porter, Gordon S. Blair, Geoff Coulson, E. April 2008 **Eurosys '08: Proceedings of the 3rd ACM SIGOPS/EuroSys European Conference on Computer Systems** 2008

**Publisher:** ACM

Full text available: Pdf (661.46 KB)

Additional Information: [full citation](#), [abstract](#),

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 151, Citations

In order to provide an increasing number of functionalities and benefit from tailored services from the network, distributed applications are led to in networking technologies. As these applications ...

**Keywords:** WSN, framework, middleware, overlay network

Also published in:

April 2008 **SIGOPS Operating Systems Review** Volume 42 Issue 4

**6 Scalable interprocedural register allocation for high level synthesis**

Rami Beelds, Jianwen Zhu January 2005 **ASP-DAC '05: Proceedings of the 2005 Asia and South Pacific Design Automation Conference** 2005

**Publisher:** ACM

Full text available: Pdf (374.60 KB)

Additional Information: [full citation](#), [abstract](#),

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 23, Citations

The success of classical high level synthesis has been limited by the core handle, typically not large enough to necessitate the departure from the transfer level design methodology. Recent ...

**7 Exploiting perception in high-fidelity virtual environments**

**Additional presentations from the 24th course are available on 1** Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Die July 2006 **SIGGRAPH '06: SIGGRAPH 2006 Courses**

**Publisher:** ACM

Full text available: Mov (68.6 MIN), Pdf (5.07 MB) Additional Information: [full citation](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 136, Downloads (12 Months): 1404, Citations

The objective of this course is to provide an introduction to the issues to building high-fidelity 3D engaging shared virtual environments. The primary important development of algorithms and techniques ...

**Keywords:** collaborative environments, haptics, high-fidelity rendering

multi-user, networked applications, perception, virtual reality

**8 Monitoring business processes with queries**

Catriel Beeri, Anat Eyal, Tova Milo, Alon Pilberg

September 2007 **VLDB '07: Proceedings of the 33rd international conference**

**Publisher:** VLDB Endowment

Full text available:  Pdf (489.36 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 156, Citation

Many enterprises nowadays use business processes, based on the BPEL. These are complex, often distributed, processes. Monitoring the execution of interesting patterns is critical for enforcing business ...

**9 Computing curricula 2001**

 CORPORATE The Joint Task Force on Computing Curricula

September 2001 **Journal on Educational Resources in Computing (JER)**

**Publisher:** ACM 

Full text available:  Html (2.78 KB),  Pdf (613.63 KB) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 86, Downloads (12 Months): 1213, Citation

**10 Opis: reliable distributed systems in OCaml**

 Pierre-Évariste Dagand, Dejan Kostić, Viktor Kuncak

January 2009 **TLDI '09: Proceedings of the 4th international workshop on Type implementation**

**Publisher:** ACM 

Full text available:  Pdf (781.06 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 49, Citation

Concurrency and distribution pose algorithmic and implementation challenges for distributed systems, making the field an excellent testbed for evaluating verification paradigms. Several specialized domain-specific ...

**Keywords:** arrows, distributed systems, functional programming, modal

**11 Network processing of documents, for documents, by documents**

 Ichiro Satoh

November 2005 **Middleware '05: Proceedings of the ACM/IFIP/USENIX 2005 Middleware**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (452.90 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 2, Citation C

This paper presents a content-dependent and configurable framework for documents. Like existing compound document frameworks, it enables a document to be dynamically and nestedly composed of software components corresponding to its content.

**12 The multivalent browser: a platform for new ideas**

 Thomas A. Phelps, Robert Wilensky

November 2001 **DocEng '01: Proceedings of the 2001 ACM Symposium on Document Engineering**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(188.51 KB\)](#)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 44, Citation

The Multivalent Browser is built on a architecture that separates function from format. Almost all functionality is made available via relatively small modules that programmers can write to extend the core ...

**Keywords:** annotation, architecture, digital, document, multivalent browser

**13** [Webrb: evaluating a visual domain-specific language for building relational web-applications](#)

 **Avraham Leff, James T. Rayfield**

**October 2007 OOPSLA '07: Proceedings of the 22nd annual ACM SIGPLAN conference on programming systems and applications**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(1.35 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 140, Citation

Many web-applications can be characterized as "relational". In this paper, *WebRB*, a visual domain-specific language for building such applications, extends the conventional "imperative-embedding" ...

**Keywords:** data-flow languages, relational web-applications, visual programming, relational blocks, web-application development, webrb

Also published in:

**October 2007 SIGPLAN Notices** Volume 42 Issue 10

**14** [Communications of the ACM: Volume 51 Issue 11](#)

 **November 2008 Communications of the ACM**

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf \(8.26 MB\)](#) Additional Information: [full citation](#)

**Bibliometrics:** Downloads (6 Weeks): 300, Downloads (12 Months): 3093, Citation

**15** [A generic component model for building systems software](#)

 **Geoff Coulson, Gordon Blair, Paul Grace, Francois Talant, Ackbar Joolia, Ke Thirunavukkarasu Sivaharan**

**February 2008 Transactions on Computer Systems (TOCS)** , Volume 26 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf \(603.88 KB\)](#) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 50, Downloads (12 Months): 611, Citation

Component-based software structuring principles are now commonplace. Componentization is far less established when it comes to building low-level systems. In this paper, we present a generic component model for building systems software. There have been pioneering efforts in applying componentization ...

**Keywords:** Component-based software, computer systems implementation

**16 Communications of the ACM: Volume 52 Issue 2**

February 2009 Communications of the ACM

**Publisher:** ACMFull text available:  [Digital Edition](#) ,  [Pdf \(7.09 MB\)](#) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 456, Downloads (12 Months): 3125, Citation**17 Using XForms to simplify Web programming**

Richard Cardone, Danny Soroker, Alpana Tiwari

May 2005 **WWW '05: Proceedings of the 14th international conference on****Publisher:** ACMFull text available:  [Pdf \(1.03 MB\)](#) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 142, Citation

The difficulty of developing and deploying commercial web applications technologies they use increases and as the interactions between these t complex. This paper describes a way to avoid this increasing ...

**Keywords:** J2EE, MVC, Web application, XForms, XMLBeans, eclipse, v**18 The particle computer system**

Christian Decker, Albert Krohn, Michael Beigl, Tobias Zimmer

April 2005 **IPSN '05: Proceedings of the 4th international symposium on** networks**Publisher:** IEEE PressFull text available:  [Pdf \(369.90 KB\)](#) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 23, Citation

This paper presents a sensor-based, networked embedded system, refe system. It is comprised of tiny wireless sensor nodes, capable of commi as connectivity with backend, PC-based systems, ...

**Keywords:** AwareCon, ConCom, file system, middleware-free architect network**19 Retrospective on Aurora**Hari Balakrishnan, Magdalena Balazinska, Don Carney, Uğur Çetintemel, M Eddie Galvez, Jon Salz, Michael Stonebraker, Nesime Tatbul, Richard Tibbe December 2004 **The VLDB Journal — The International Journal on Ver**

Issue 4

**Publisher:** Springer-Verlag New York, Inc.Full text available:  [Pdf \(349.43 KB\)](#) Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 43, Citation

This experience paper summarizes the key lessons we learned through of the Aurora stream-processing engine. For the past 2 years, we have applications using Aurora. We first describe in detail ...

**Keywords:** Data stream management, Distributed stream processing, I

## of-service, Stream-processing engines

## 20 Generation of visual editors as eclipse plug-ins

◆ Karsten Ehrig, Claudia Ermel, Stefan Hänsgen, Gabriele Taentzer  
November 2005 **ASE '05: Proceedings of the 20th IEEE/ACM international conference on  
engineering**

Publisher: ACM Request Permissions

Full text available:  Pdf (722.29 KB)

**Additional Information:** full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 16. Downloads (12 Months): 117. Citation

Visual Languages (VLs) play an important role in software system development at well-defined domains, a broad variety of domain specific visual languages for development of new applications. These languages are typically ...

**Keywords:** eclipse, generation, graph transformation, visual editor plug-in

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